UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 10/16/2009

David Klein
Dekel Patent
Beit HaRof'im
Room 27 18 Menuha VeNaha Street
Rehovot,
ISRAEL

EXAMINER

LEE, BENJAMIN P

ART UNIT

PAPER NUMBER

3641

DATE MAILED: 10/16/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/580,224	05/22/2006	Joseph Shapira	1369MMG-US	9845

TITLE OF INVENTION: FIRE CONTROL SYSTEM USING A LIDAR (LASER IDENTIFICATION, DETECTING AND RANGING) UNIT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	01/19/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed oth	ng the Patent, advance of nerwise in Block 1, by (a	rders and notification a) specifying a new co	of n orres	naintenance fees w pondence address;	vill be and/or	mailed to the current r (b) indicating a sepa	corresp rate "F	oondence address as EE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 7590 10/16/2009				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
David Klein Dekel Patent Beit HaRof im				State	reby certify that the es Postal Service we essed to the Mail	is Fee(vith suf . Stop	e of Mailing or Trans s) Transmittal is being ficient postage for fir ISSUE FEE address 1) 273-2885, on the d	g depos st class above,	ited with the United mail in an envelope or being facsimile
Room 27 18 Me Rehovot,							(Depositor's name)		
ISRAEL									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.
10/580,224 TITLE OF INVENTION	05/22/2006 J: FIRE CONTROL SYS	TEM USING A LIDAR (Joseph Shapira (LASER IDENTIFICA	ATIO	N, DETECTING A		I369MMG-US ANGING) UNIT		9845
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	OUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	\Box	DATE DUE
nonprovisional	YES	\$755	\$300		\$0		\$1055		01/19/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	3	7				
LEE, BEN	NJAMIN P	3641	042-115000		,				
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON 			registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
PLEASE NOTE: Unrecordation as set fort (A) NAME OF ASSI	less an assignee is ident th in 37 CFR 3.11. Comp GNEE	ified below, no assignee pletion of this form is NO	data will appear on t T a substitute for filing (B) RESIDENCE: (C	he pa g an a	attent. If an assign assignment. and STATE OR C	COUNT	TRY)		
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NOTE: The Issue Fee an	ns SMALL ENTITY state	us. See 37 CFR 1.27.	d from anyone other th		-		FITY status. See 37 Clattorney or agent; or the		
interest as shown by the	records of the United Sta	ttes Patent and Trademark	COffice.						
Authorized Signature					Date				
Typed or printed name					Registration N	lo			
This collection of informan application. Confiden submitting the complete this form and/or suggest. Box 1450, Alexandria, V. Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this bu. Jirginia 22313-1450. DC	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	on is required to obtain 1.14. This collection i depending upon the i e Chief Information O COMPLETED FORM	n or r is est indiv Office IS TO	etain a benefit by t imated to take 12 i idual case. Any co r, U.S. Patent and D THIS ADDRESS	he publ minutes mment Traden S. SENI	lic which is to file (and is to complete, including its on the amount of times and Office, U.S. Dep D TO: Commissioner	I by the g gathe me you artment for Pate	ring, preparing, and require to complete of Commerce, P.O. ents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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10/580,224	05/22/2006	Joseph Shapira	1369MMG-US	9845	
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David Klein			LEE, BEN	JAMIN P	
Dekel Patent			ART UNIT	PAPER NUMBER	
Beit HaRof im Room 27 18 Menu Rehovot, ISRAEL	ha VeNaha Street		3641 DATE MAILED: 10/16/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 673 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 673 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	Applicant(s)		
	10/580,224	SHAPIRA ET AL.			
Notice of Allowability	Examiner	Art Unit			
	 BENJAMIN P. LEE	3641			
	DENJAMIN F. LEE	3041			
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is significant.	n this application. If not included unication will be mailed in due course			
1. This communication is responsive to					
2. The allowed claim(s) is/are <u>2-6</u> .					
3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the:	.,,,,	or (f).			
1. Certified copies of the priority documents have					
2. Certified copies of the priority documents have					
3. Copies of the certified copies of the priority do	cuments have been received	d in this national stage application fro	om the		
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirem	ents		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			E OF		
5. X CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review	v (PTO-948) attached			
1) ☐ hereto or 2) ☐ to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date 10/8/2009.	s Amendment / Comment or	in the Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			of		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			e		
Attachment(s)	5 🗆 Nation of In	famoul Datant Application			
1. Notice of References Cited (PTO-892)	\equiv	formal Patent Application			
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./	ummary (PTO-413), Mail Date			
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	Amendment/Comment				
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's	Statement of Reasons for Allowance)		
-	9. Other				

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Art Unit: 3641

DETAILED ACTION

1. Applicant has amended claims 2-4 and canceled claim 1.

Drawings

2. The drawings are objected to because each of the numbered boxes should be labeled with their corresponding nomenclature (it is not appropriate to simply number the boxes. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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Art Unit: 3641

Allowable Subject Matter

3. Claims 2-6 are allowed.

4. The following is an examiner's statement of reasons for allowance: With respect to claim 4, the closest prior art fails to teach, in combination with all the limitations of claim 4, a processor operable to calculate turbulence strength changes and wind fluctuations insensitivity in combination with choosing fluctuations that act as refractive lenses with focal lengths on the order of hundreds of meters or more.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin P. Lee whose telephone number is 571-272-8968. The examiner can normally be reached between the hours of 8:30am and 5:00pm on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Carone can be reached on 571-272-6873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

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Art Unit: 3641

applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/B. P. L./

Examiner, Art Unit 3641

/Michael J. Carone/

Supervisory Patent Examiner, Art Unit 3641